BEST AVAILABLE COPY

AMENDMENT Page 7

U.S. Appl. No. 09/964,832

REMARKS

Claims 1 and 26-59 are pending. New claim 59 is supported by previous claims 1, 26, 28, 29, 33, 45, 41 and 47. No new matter has been entered.

Initially, as the Office Action has failed to address the majority of the arguments presented in the Appeal Brief filed August 24, 2005, all of the arguments presented therein are expressly incorporated herein.

I. Scher et al. in view of Schmoock

Claims 1 and 32 stand rejected under 35 USC § 103(a) as allegedly being unpatentable over Scher et al. (U.S. Patent No. 4,092,198) in view of Schmoock (U.S. Patent No. 5,344,692).

A. "a wear layer of UV or electron beam curing lacquer"

The Office Action asserts Scher et al. teaches "a method for the manufacture of a decorative surface element, which element comprises a base layer, a decor layer of a lacquer, and a wear layer," citing the Abstract thereof. However, as presented in the Appeal Brief (and not addressed in the present Office Action), such an assertion is a mischaracterization of claim 1.

Specifically, claim 1 recites "a wear layer of a UV or electron beam curing lacquer."

Thus, as neither this reference, nor any other cited reference teaches to provide a "a wear layer of a UV or electron beam curing lacquer," Applicants respectfully submit that no prima facte case of obviousness has been made.

Applicants note the citation of column 4, lines 11-13 of Schmook for its teaching of including a UV curing laquer. However, as also presented in the Appeal Brief (and not addressed in the present Office Action), this passage teaches "[i]t is possible to employ an inner layer which consists of or contains a lacquer and is hardened as a result of exposure to ultraviolet radiation" (emphasis added).

As presented in the Appeal Brief, unlike the invention recited by independent claim 1, there is no wear layer of a UV or electron beam curing lacquer on top of the leather laminate of Schmoock. Instead, column 4, lines 11-13 relied upon by the Examiner mentions that an inner layer, which consists of or contains a lacquer is hardened as a result of exposure to ultra-violet

U.S. Appl. No. 09/964,832

radiation may be used. Thus, it is clear that it is not a top layer (wear-layer) in Schmoock but, rather, Schmoock only concerns a leather product containing a thermoplastic material which has nothing in common with the present decorative surface element with a specific thermosetting wear layer on top, i.e., a UV or electron beam curing lacquer. Applicants respectfully submit that it is improper for the Examiner to disregard the teachings of Schmoock concerning low-grade leather combined with a thermoplastic material and merely pick out two isolated lines in column 4 as being of the same type of surface or product as being produced by Scher et al. In any event, the teachings of Schmoock at column 4, lines 11-13, do not refer to a wear layer (on top), but, rather, an inner layer as mentioned above. Thus, the combination of Scher et al. and Schmoock would still not teach nor make obvious the invention as claimed in independent claim 1. Thus, as this passage, nor any other passage of the cited reference, teaches or suggests to provide a wear layer of UV curing lacquer, Applicants respectfully present that claim 1, and each of the claims depending therefrom are allowable over the cited art.

B. "thereafter completely curing the wear layer"

The Office Action asserts that Scher et al., at column 10, lines 6-18, teaches a step of "thereafter curing the wear layer." Initially, the Office Action has mischaracterized the recited feature, as present claim 1 recites "thereafter completely curing the wear layer." The Office Action has ignored the word "completely."

According to present claim 1, the wear layer includes a UV or electron beam curing lacquer. Therefore, in order to cure the UV or electron beam curing lacquer, it is necessary to apply a UV or electron beam. Claim 1 has been amended to clarify this feature. As Scher et al. does not teach or suggest the inclusion of any UV or electron beam curing material, this reference cannot reasonably teach the application of a UV or electron beam. Similarly, as none of the cited references teach or suggest to provide a UV or electron beam curing material as the wear layer, it cannot be reasonably asserted that such references, either alone or in combination, teach or suggest to cure the wear layer by applying a UV or electron beam.

U.S. Appl. No. 09/964,832

AMENDMENT
Page 9

II. Scher et al. and Schmoock in view of MacQueen et al.

Claims 26-30, 39, 40, 41, 43, 51 and 52 stand rejected under 35 USC § 103(a) as allegedly being unpatentable over Scher et al. and Schmoock in view of MacQueen et al. (U.S. Patent No. 6,399,670). Initially, as MacQueen et al. fails to cure the deficiencies identified in Section I.A and I.B., above, Applicants respectfully present that this rejection also fails to establish *prima facie* obviousness for claims 26-30, 39, 40, 41, 43, 51 and 52.

A. Claim 26

The Office Action asserts Scher et al. and Schmoock teach each feature of claim 26, except for "using a specific lacquer." However, as MacQueen et al. allegedly "shows a process including a method wherein the lacquer consists of an acrylic lacquer" (citing column 5, lines 29-31 thereof), the Office Action asserts claim 26 is rendered obvious.

Again, it appears the Examiner is mischaracterizing the claims by ignoring words therein. In this instance, claim 26 recites "wherein the lacquer consists of an acrylic or a maleamide lacquer." While Applicants agree that an acrylate may be a polymer formed from acrylic moieties, an acrylic resin (as taught by MacQueen et al.) is not the same as an acrylic lacquer. As commonly understood, a lacquer is "A material which contains a substantial quantity of cellulose derivative, most commonly nitrocellulose, but sometimes a cellulose ester, such as cellulose acetate or cellulose butyrate, or a cellulose ether such as ethyl cellulose" (See the definition of lacquer from McGraw-Hill; Dictionary of Scientific and Technical Terms, provided as an Attachment hereto). Thus, as the resin described at column 5, lines 29-31 of MacQueen et al. is not described as containing any type of cellulose derivative, such resin cannot be a lacquer.

B. Claim 27

The Office Action asserts Scher et al. teaches each feature of claim 27, except for "using partial curing steps." However, MacQueen et al. is relied upon for such a teaching, citing column 12, lines 1-16 and column 23, lines 31-34.

U.S. Appl. No. 09/964,832

Yet again, the Examiner is mischaracterizing the claims by ignoring words therein. While claim 27 recites "wherein the wear layer is applied in several steps with intermediate partial curing," the Office Action only comments on the second feature of claim 27. Thus, as the Office Action does not even allege that the cited references teach or suggest applying the wear layer in several steps, no prima facie case of obviousness has been made.

In any event, as claim 27 has been amended to more particularly clarify that there is a curing step, including the application of a UV or electron beam between each applying step. None of the cited references teach or suggest such a feature. Although MacQueen et al. teaches to apply heat to alter viscosity, (1) there is no teaching or suggestion that such application of heat cures; (2) there is no teaching of the application of a UV or electron beam; and (3) there is no teaching of several application steps.

C. Claim 29

The Office Action asserts that MacQueen et al. teaches that a base layer consists of particle board, citing column 9, lines 22-25 thereof. However, neither the cited passage nor any other passage of this reference discloses "a method wherein the base layer consists of a particle board." As none of the cited references teach or suggest to provide a base layer of fiber board, Applicants respectfully present that no prima facie case of obviousness has been made, and claim 29 is, accordingly, allowable. Moreover, the alleged motivation, i.e., "to provide a sturdy core layer for the end product," cannot be found in the cited references. Applicants remind the Examiner "[t]he teaching or suggestion to make the claimed combination and the reasonable expectation of success must both be found in the prior art, not in applicant's disclosure" MPEP § 2142 (citing In re Vaeck, 947 F.2d 488, 20 USPO2d 1438 (Fed. Cir. 1991)) (emphasis added).

U.S. Appl. No. 09/964,832

III. Scher et al. and Schmoock in view of Petry et al.

Claims 33, 34, 45, 50 and 56-58 stand rejected under 35 USC § 103(a) as allegedly being unpatentable over Scher et al. and Schmoock in view of Pety (U.S. Patent No. 3,196,030). However, as Petry fails to cure the deficiencies identified in Section I.A and I.B. above, Applicants respectfully present that this rejection also fails to establish *prima facie* obviousness for claims 33, 34, 45, 50 and 56-58.

IV. Scher et al. and Schmoock in view of Eby et al.

Claims 35-38 stand rejected under 35 USC § 103(a) as allegedly being unpatentable over Scher et al. and Schmoock in view of Eby et al. (U.S. Patent No. 5,961,903). Again, as Eby et al. fails to cure the deficiencies identified in Section I.A and I.B, above, Applicants respectfully present that this rejection also fails to establish *prima facie* obviousness for claims 35-38.

A. Claim 37

Claim 37 recites "wherein a thin top coat is applied on top of the structured wear layer before the glazing stage and that the top coat is partially cured before the glazing." However, as Eby et al. does not teach any glazing stages, either in the cited passage or elsewhere, the combination of Scher et al., Schmoock, and Eby et al. cannot make a *prima facie* case of obviousness for claim 37.

B. Claim 38

Claim 38 recites "wherein the top coat is comprised of acrylic or maleamide lacquer and optionally an additive in the form of hard particles with an average size in the range 50 nm - 10 µm." However, as Eby et al. does not teach a *lacquer* (see Section I.A, above), the combination of Scher et al., Schmoock, and Eby et al. cannot make a *prima facte* case of obviousness for claim 38.

U.S. Appl. No. 09/964,832

V. Scher et al. and Schoock in view of Nishimura et al.

Claim 31 stands rejected under 35 USC § 103(a) as allegedly being unpatentable over Scher et al. and Schoock in view of Nishimura et al. (U.S. Patent No. 4,216,251). As Nishimura et al. fails to cure the deficiencies identified in Section I.A and I.B, above, Applicants respectfully present that this rejection also fails to establish *prima facie* obviousness for claim 31.

VI. Scher et al., Schmoock and MacQueen et al. in view of Schmid et al. or or James et al. or Greten et al. or Petry in view of Schmid et al.

Claims 42 and 53 stand rejected under 35 USC § 103(a) as allegedly being unpatentable over Scher et al., Schmoock and MacQueen et al. in view of Schmid et al.. Claim 44 stands rejected under 35 USC § 103(a) as allegedly being unpatentable over Scher et al., Schmoock and MacQueen et al. in view of Greten et al. (U.S. Patent No. 5,498,309). Claim 46 and 55 stand rejected under 35 USC § 103 (a) as allegedly being unpatentable over Scher et al., Schmoock and Petry, in further view of Schmid et al. Claim 47-49 stand rejected under 35 USC § 103(a) as allegedly being unpatentable over Scher et al., Schmoock and MacQueen et al. in view of James et al. (U.S. Patent No. 6,354,915). Claim 54 stands rejected under 35 USC § 103(a) as allegedly being unpatentable over Scher et al., Schmoock and MacQueen et al. in view of Schmid et al. As Petry, James et al., Schmid et al. and Greten et al. fail to cure the deficiencies identified above, Applicants respectfully present that this rejection also fails to establish *prima facte* obviousness for claims 42, 44, 47-49, 53 and 54.

U.S. Appl. No. 09/964,832

VII. Conclusion

In view of the above, it is respectfully submitted that all objections and rejections are overcome. Thus, a Notice of Allowance is respectfully requested. If any issues remain which may best be resolved through a telephone communication, the Examiner is requested to telephone the undersigned at the local Washington, D.C. telephone number listed below

Respectfully submitted,

TPP/EPR/mat

Attorney Docket No.: TPP 31424

Thomas P. Pavelko
Registration No. 31,689

Attachment:

McGraw-Hill Dictionary of Scientific and Technical Terms (definition of Lacquer)

STEVENS, DAVIS, MILLER & MOSHER, L.L.P.

1615 L Street, N.W., Suite 850 Washington, D.C. 20036

Telephone: (202) 785-0100

Facsimile: (202) 408-5200 or (202) 408-5088

Date: MIRCH 16 2006

U.S. Appl. No. 09/964,832

ATTACHMENT

Lacaille's constellar is iactoglobulin

LACTAM

a showing convention inobutyne acid to

LACTIC ACID

HOOC

(b)

Structural formulas of (e) destro form and (b) levo form of lactic acid.

LACTIM

LACTOBACILLEAE



putomicrograph showing norphotogy of Lastubacillus. revia, tribe Lactobacilluss.

Lecalita's constellations [ASTRON] The 14 southern constelbettons identified by N. L. do Lacatile in 1763: Antlia. Callura. Circinus, Crux, Formax, Horotogium, Mersa. Microscopium, Norma, Octana, Pictor, Recticulum, Sculptor, and Telescop-

accest (BIDCREM) CritinG.Hr(OH); A phenol compound which is found in the sap of languer trees, and which can be isolated in crystalline form.

laceuse [BIDCHEM] Any of a class of plant oxideses which cambyze the exidation of phenols.

faccate [RIOL] Having a lacquered appearance.

Lacelterinate (prv 200) A subfamily of scale insects in the superfamily Coccoides in which the male lacks compound es, the abdomen is without spiracles in all stages, and the apical abdominal segments of nymphs and females do not form a pyzidium.

(GEOL) A body of igneous rock intruding into sedimentary rocks so that the overlying strate have been notably lifted by the force of intrusion.

lace [ADP] To punch all the boics in some area of a punch card, such as a card row or card column. [Text] A pasterned, openwork fabric made by hand with needles or hooks, or by machinery.

(accorate (ACD) To inflict a wound by tearing.

tenerated (SIGL) Having a decely and irregularly incised margin or speak

ration (MED) A would made by tearing.

Lacerta [ASTRON] A small northern constellation lying berevers Cygnus and Andromeda, and adjoining the northern boundary of Pogasus. Also known as Lizard.

Lacortidae [VERT 200] A family of reptiles in the suborder Sauria, including all typical lizards, characterized by movable evelids, a fused lower law, homodons densition, and enider-يعادد نده

techesns [ORD CHIEN] Carllactino, A compound that Gyppalizes from a solution of ethanol and acatons, and whose melting point is 213°C; used in ophthalmology. Also known as chloride benzilete.

tacing (ADP) Extra multiple punching in a cord column to signify the end of a specific card run; the term is derived from the lacework appearance of the card. [CIV ENO] 1, A lightweight metallic piece that is fixed diagonally to two channels or four anale sections, forming a composite strut. 2. A course of brick, stone or tiles in a wall of pubble to give strength. 3. A course of unright bricks forming a bond between es two ex more arch rings. 4. Distribution steel in a slab of reinforced concrete. S. A light timber fastened to pairs of stress or walings in the timbering of exceptations (including mines). [SIGE] 1. Having a fringed border. 2. Narrowiy and deeply includ to form irregular lobes, which may be pointed. S- Harman

[MATER! A material which contains a substantial quantity of a cellulose derivative, most commonly nitrocellulose but sometimes a cellulose ester, such as cellulose acetme or celluloss hutyram, or a cellulose other such as ethyl cellulose: used to give a glossy finish, especially on brass and other pright metals.

because discent [MATER] An organic liquid with no solvent power added to lacquer formulations to reduce viscosity and to adjust flow or other properties.

lacement we Ser verteich tree

intal [ANAT] Permining to lears, tear thicts, or tear-secret-

teertens' apparatus (ANAT) The functional and structural mechanisms for secreting and draining tears; includes the iscrimal giand, lake, puncts, cambiculi, sac, and nasolacrings

Secrimal bone (ANAT) A small bone located in the unserior medial wall of the orbit, articulating with the frontal, ethmoid, mutilis, and inferior nasal conche.

tecrimal canal Ser nesolacrimal canal.

lacrimal constitutiva. [ANAT] A small rube lined with stratified squamous epithelium which runs vertically a short distance from the punctum of each syclid and then turns horizontally in the herizan part of the lid margin to the factional sec. Also known as factional duct.

tecrimal duct. Set lacrimal canaliculus.

learnest gland [ANAT] A compound hibuloslycolar shad that secretes tears. Also known as tear gland, tearings are [aviat] The dilution at the upper end of the

nasolacrimal duct within the medial canthus of the cre. Also promi se qacilocian

lacrimation (PHYSEO) 1. Normal secretion of tears 2 Pices sive secretion of tears, as in weeping.

tecrimeter Ser tear pro-

lacrobile [MNERAL] A pale yellowish-green mineral con-posed of basic phosphane of aluminum, calcium, manganese and sodium (often with fluorine), occurring at crystale LACT See lease automatic custody transfer.

tentalbumin (stochest) A simple protein contained in milk which resembles serum albumin and is of high auditional quality.

lactam [one canal An internal (cyclic) amide formed by heating garmes (y) and delta (8) amino acids: thus y attinotes. tyric acid readily forms y-butyrolactom lactam (pyrrolidme); many lectame have physiological activity.

ctass [BIOCHEM] An excyme that catalyzes the hydrolysis of lacrose to dextrose and galactose.

tactuse deficiency syndrome [setb] Diarrhea induced by ingestion of a factose-containing food such as milk, secondary to a concenital or acquired deficiency of lacture

iscists (one citted) A sait or enter of lacute acid in which the acidic hydrogen of the curbonyl group has been replaced by a metal or an organic radical. [PHYSIO] To secrete milk laciste deliverogenzae (MOCHEM) A zinc-containing co zyme which catalyzes the oxidation of several a-bydrays acids to corresponding a-beto acids.

tactation [PHYSIO] Secretion of milk by the mammary

lacter [ANAT] One of the intestinal lymphatics that at chylo. [PHYSIO] Pertaining to or resembling milk-actescent [BEOL] Having a milky appearance. [PHYS

Secreting milk or a milklike substant

lactic acid [stochood CyHaOs A hygroscopic a-bydro acid, occurring in three optically isomeric forms: L form, blood and muscle tissue as a product of glucose and ghos metabolism; D form, obtained by fermentation of succession DE form, a recensic mixture present in foods prepared.by bacterial fermentation, and also made synthetically. Ab known as 2-hydroxymopaneis acid: «-bydroxyprop

testic dehydrogenesse (BEOCHEM) An enzyme that estable the dehydrogenesion of L-lactic solid to pyruvic acid. Alter visued LDH.

the dehydrogenees whose (viscal) A virus of the mi group which infacts mica.

ctide (one came) A cyclic, intermolecular, double e formed from a hydroxy ands; most lactides are relatively by melting solids and are easily hydrolyzed by base to form sali of the parent acid, such as sodium lactor

ions creed A contemeric end form of a lacted will which it forms an equilibrium whenever the lacrom nives carries a free hydrogen.

lactin Sor lactore.

prous [200] Feeding on milk.

Lactobacification (MCROSTO) A family of sugar-fatto becteria in the order Eubscheriales including both spherical and rad-shaped forms. Lactabeciliese [https://www.paribe.of.rod-shaped b

the family Lectoberillac

Lectobacilius (IGCROSIO) The lactic seld bacteria. 4 F nonmotile gram-positive bacteris is the family Land me; they produce lacric acid from certain carbolists etoleren (stocken) An iron-binding premin for milk, salive, users, and intestinal and respiratory socialis that interferes with the iron metabolism of bacters

resistance to certain infectious diseases. ectaflavin Ser riboflavin.

lactogento hormana Ser protectio

actogiobatin [SIOCHEM] A crystolline protein station milk, which is soluble in half-entwisted ammonium milk. solution and insoluble in pure warer.

McGraw-Hill Dictionary of Scientific and Technical Terms

Included in this Dictionary are definitions which have been published previously in the following works: P. B. Jordain, Condensed Computer Encyclopedia, Copyright © 1969 by McGraw-Hill, Inc. All rights reserved. J. Markus, Electronics and Nucleonics Dictionary, 3d ed., Copyright © 1960, 1966 by McGraw-Hill, Inc. All rights reserved. J. Quick, Artists' and Illustrators' Encyclopedia, Copyright © 1969 by McGraw-Hill, Inc. All rights reserved. Blakiston's Gould Medical Dictionary, 3d ed., Copyright © 1956, 1972 by McGraw-Hill, Inc. All rights reserved. T. Baumeister and L. S. Marks, eds., Standard Handbook for Mechanical Engineers, 7th ed., Copyright © 1958, 1967 by McGraw-Hill, Inc. All rights reserved.

In addition, material has been drawn from the following references: R. E. Huschke, Glossary of Meteorology, American Meteorological Society, 1959; U.S. Air Force Glassery of Standardized Terms, AF Manual 11-1, vol. 1, 1972; Communications-Electronics Terminology, AF Manual 11-1, vol. 3, 1970; W. H. Allen, ed., Dictionary of Technical Terms for Aerospace Use, 1st ed., National Aeronautics and Space Administration, 1965; J. M. Gilliland, Solar-Terrestrial Physics: A Glossary of Terms and Abbreviations, Royal Aircraft Establishment Technical Report 67158, 1967; Glossary of Air Traffic Control Terms, Federal Aviation Agency; A Glossary of Range Terminology, White Sands Missile Range, New Mexico, National Bureau of Standards, AD 467-424; A DOD Glossory of Mapping, Charting and Geodetic Terms, 1st ed., Department of Defense, 1967; P. W. Thrush, comp. and ed., A Dictionary of Mining, Mineral, and Related Terms, Bureau of Mines, 1968; Nuclear Terms: A Glossary, 2d ed., Atomic Energy Commission; F. Casey, ed., Compilation of Terms in Information Sciences Technology, Federal Council for Science and Technology, 1970; Glossary of Stinfo Terminology, Office of Aerospace Research, U.S. Air Force, 1963; Naval Dictionary of Electronic, Technical, and Imperative Terms, Bureau of Naval Personnel, 1962; ADP Glossary, Department of the Navy, NAVSO P-3097.

McGRAW-HILL DICTIONARY OF SCIENTIFIC AND TECHNICAL TERMS Copyright © 1974 by McGraw-Hill, Inc. All rights reserved. No part of this publication may be reproduced, stored in a retrieval system, or transmitted, in any form or by any means, electronic, mechanical, photocopying, recording, or otherwise, without the prior written permission of the publishers. Philippines Copyright. 1974, by McGraw-Hill, Inc.

19 9 8 7 6 5 4 3

Library of Congress Cataloging in Publication Data

McCraw-Hill dictionary of scientific and technical terms.

1. Science - Dictionaries. 2. Technology - Dictionaries. I. Lapedes. Daniel N., ed. II. Title: Dictionary of scientific and technical terms. Q123.M15 503 74-16193 ISBN 0-07-045257-1

[PAGE 21/21 * RCVD AT 5/23/2006 1:51:44 PM [Eastern Daylight Time] * SVR:USPTO-EFXRF-3/8 * DNIS:2731198 * CSID:2027850200 * DURATION (mm-ss):08-04

This Page is inserted by IFW Indexing and Scanning Operations and is not part of the Official Record

BEST AVAILABLE IMAGES

Defective images within this document are accurate representations of the original documents submitted by the applicant.

Defects in the images include but are not limited to the items checked:

u	BLACK BURDERS
0	IMAGE CUT OFF AT TOP, BOTTOM OR SIDES
O	FADED TEXT OR DRAWING
0	BLURED OR ILLEGIBLE TEXT OR DRAWING
0	SKEWED/SLANTED IMAGES
0	COLORED OR BLACK AND WHITE PHOTOGRAPHS
0	GRAY, SCALE DOCUMENTS
0	LINES OR MARKS ON ORIGINAL DOCUMENT
0	REPERENCE(S) OR EXHIBIT(S) SUBMITTED ARE POOR QUALITY
0	OTHER:

IMAGES ARE BEST AVAILABLE COPY.
As rescanning documents will not correct images problems checked, please do not report the problems to the IFW Image Problem Mailbox